

FIG. 2A

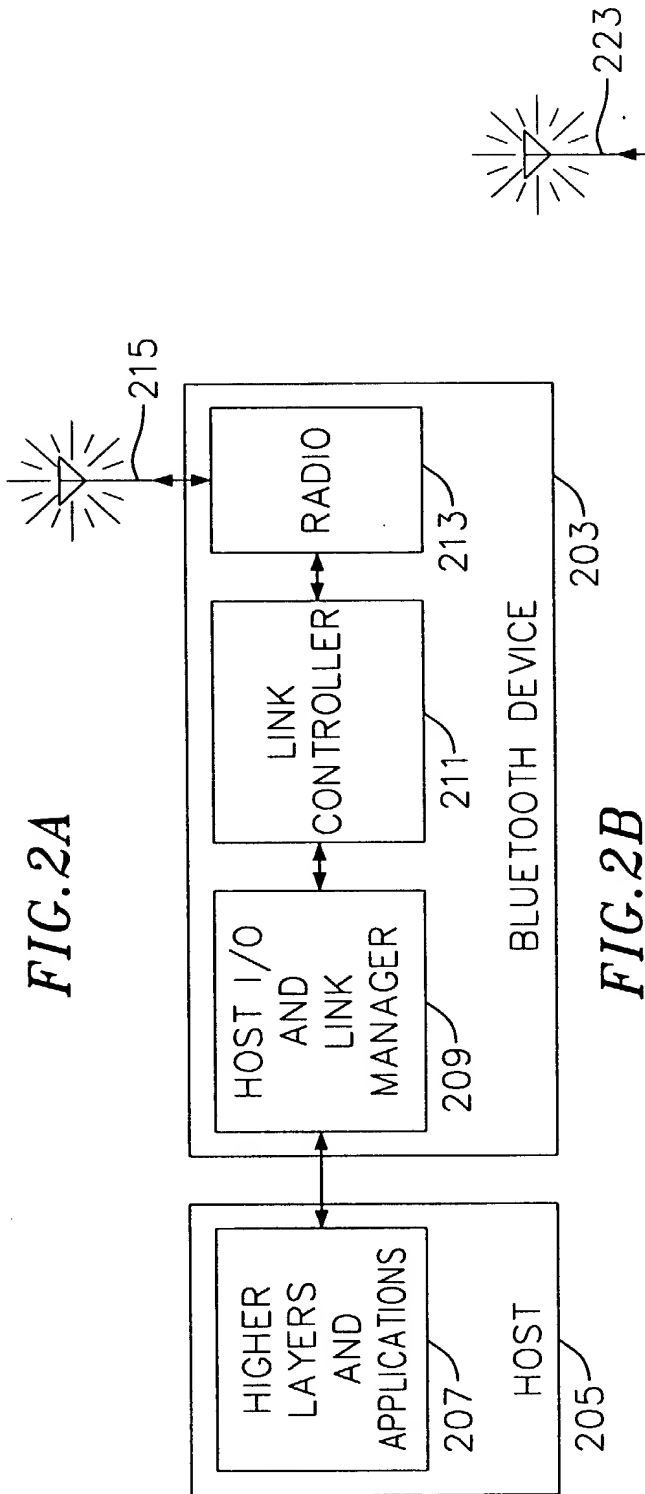


FIG. 2B

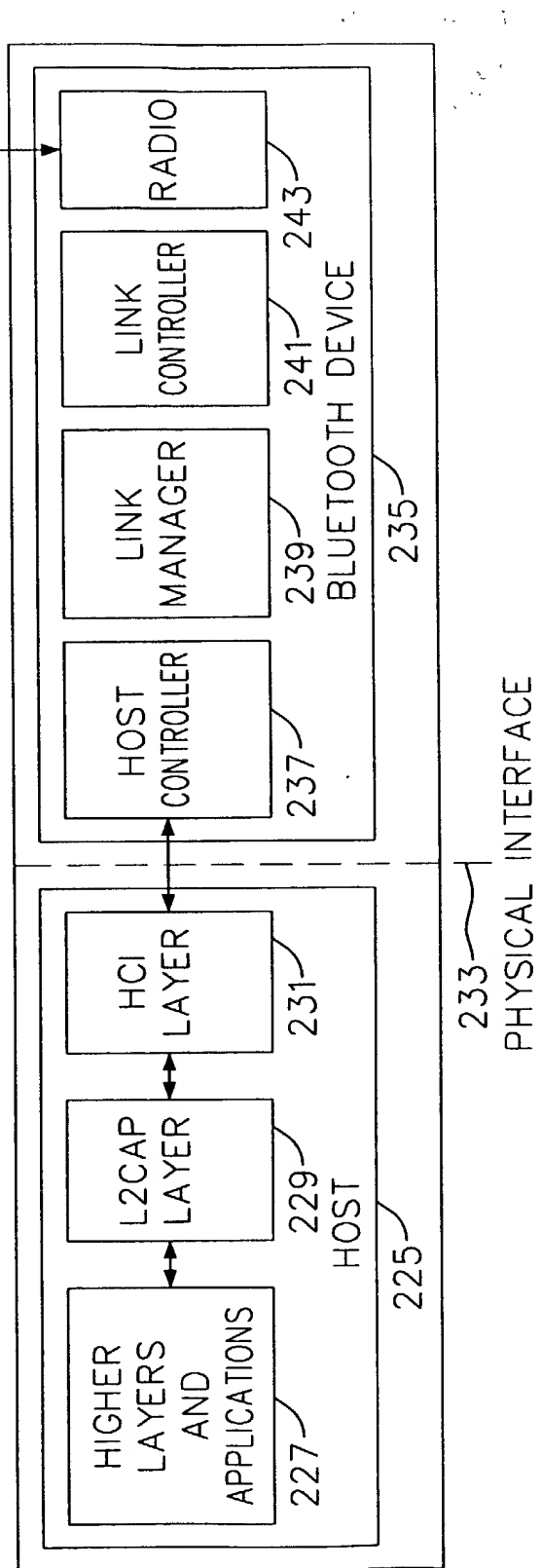


FIG. 2C

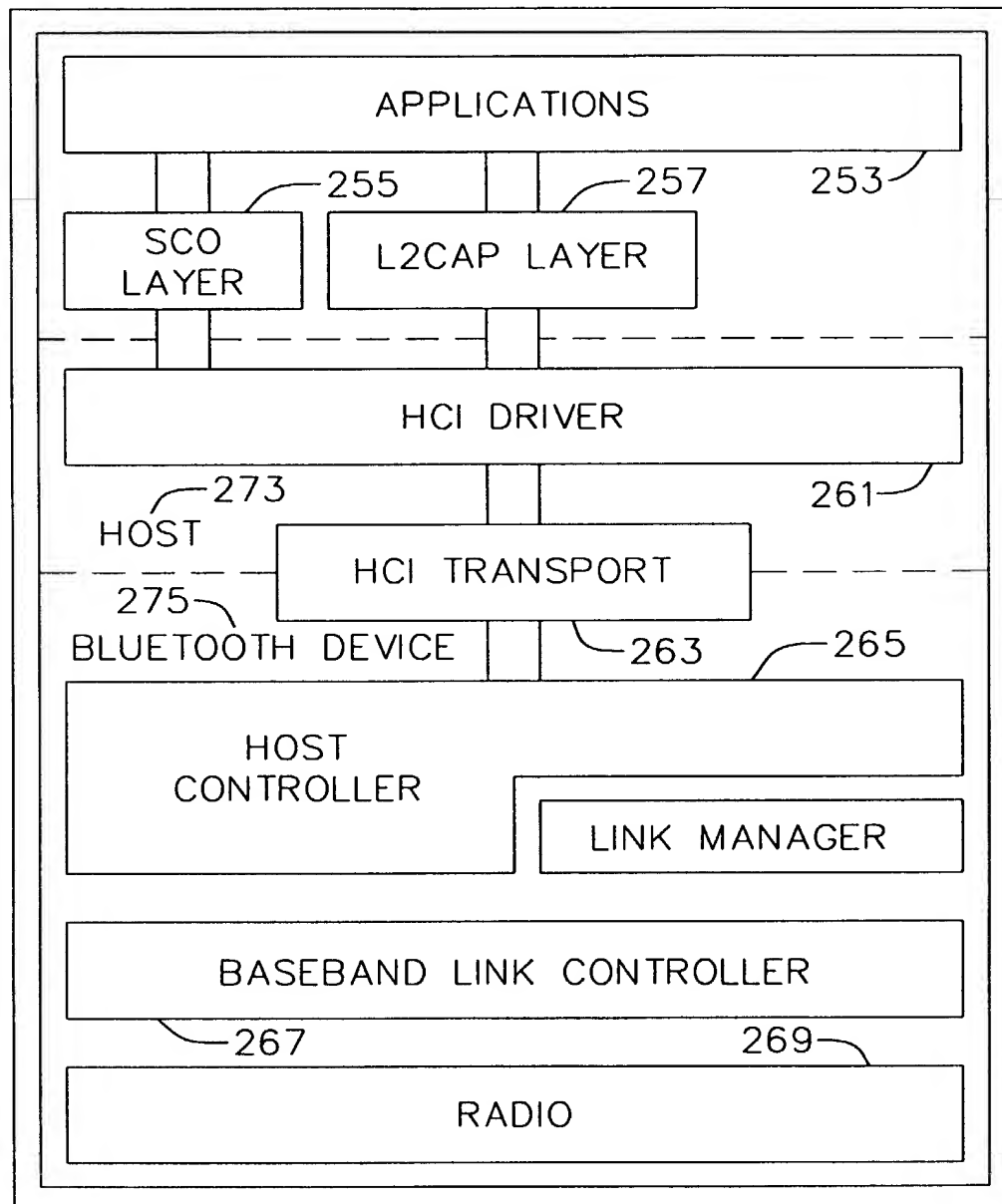


FIG. 3

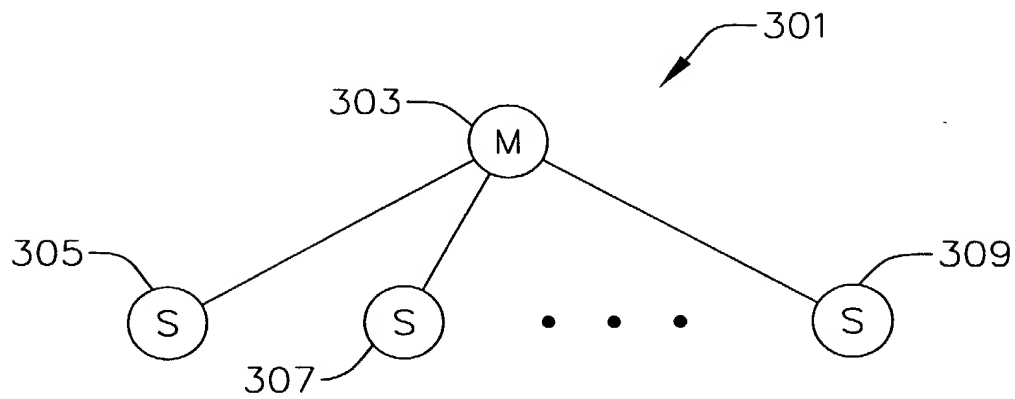


FIG. 4

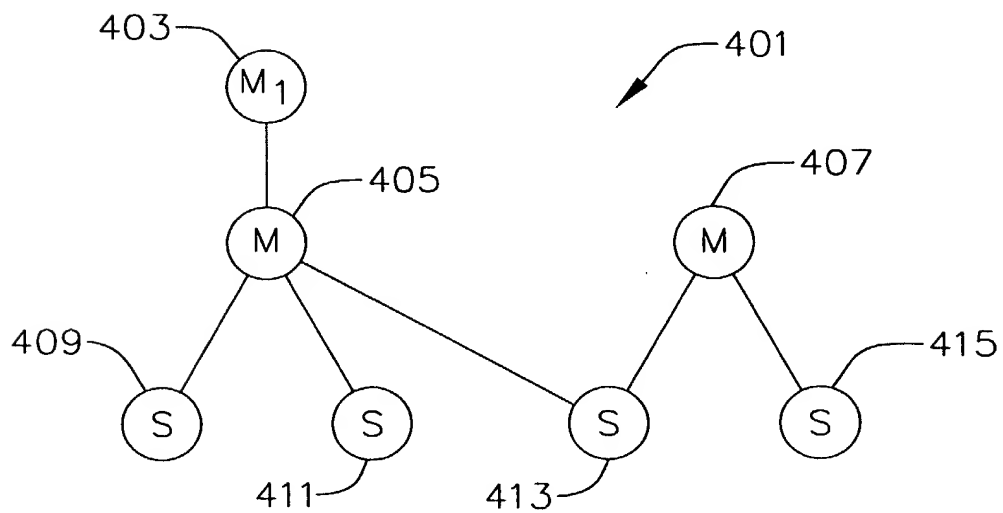


FIG. 5

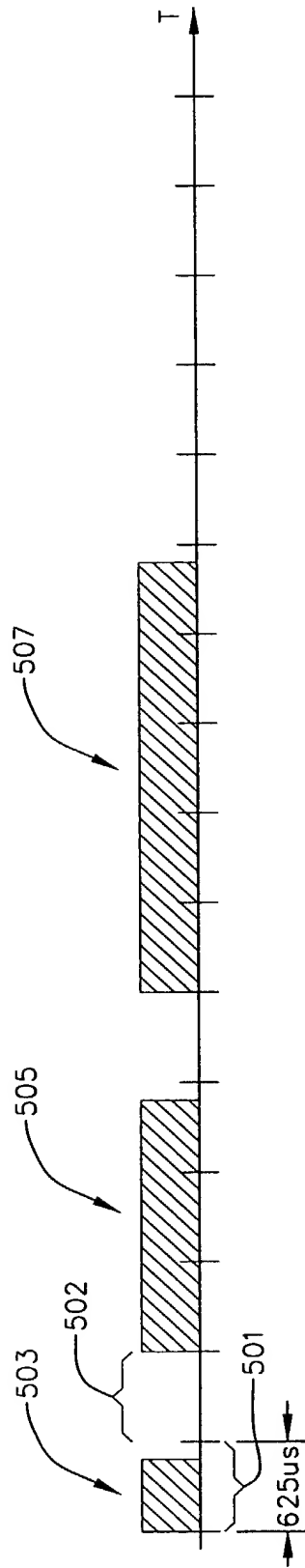


FIG. 6

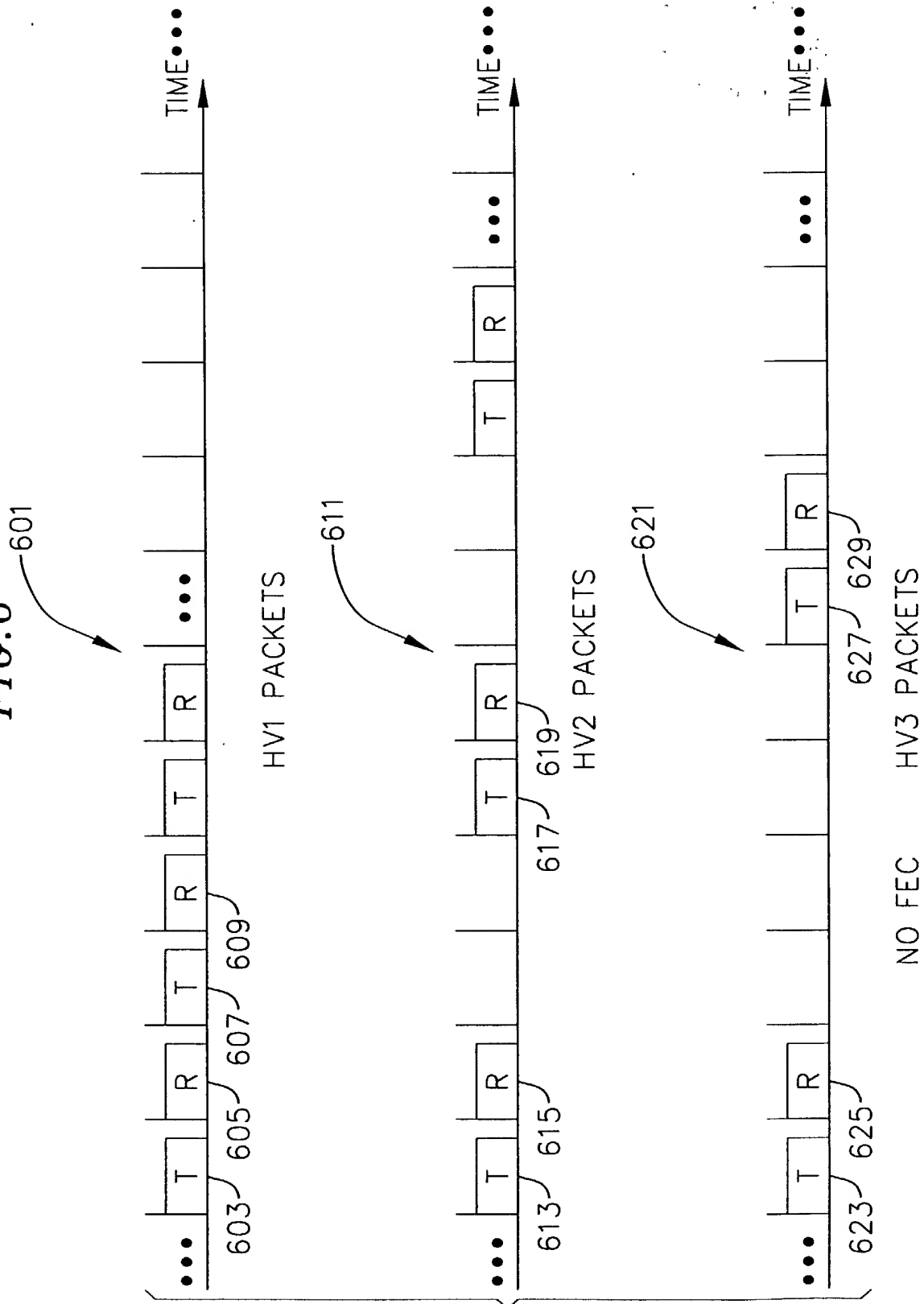


FIG. 7

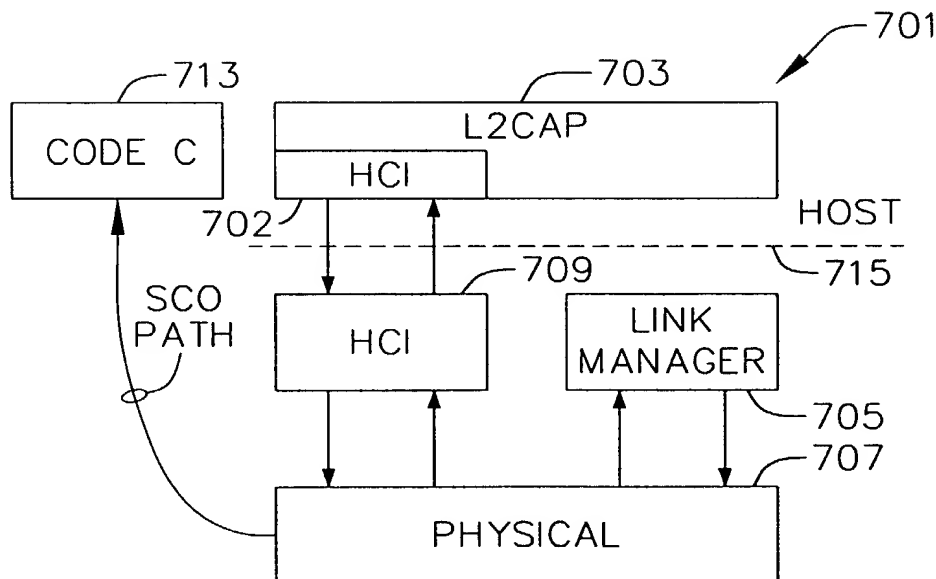


FIG. 8

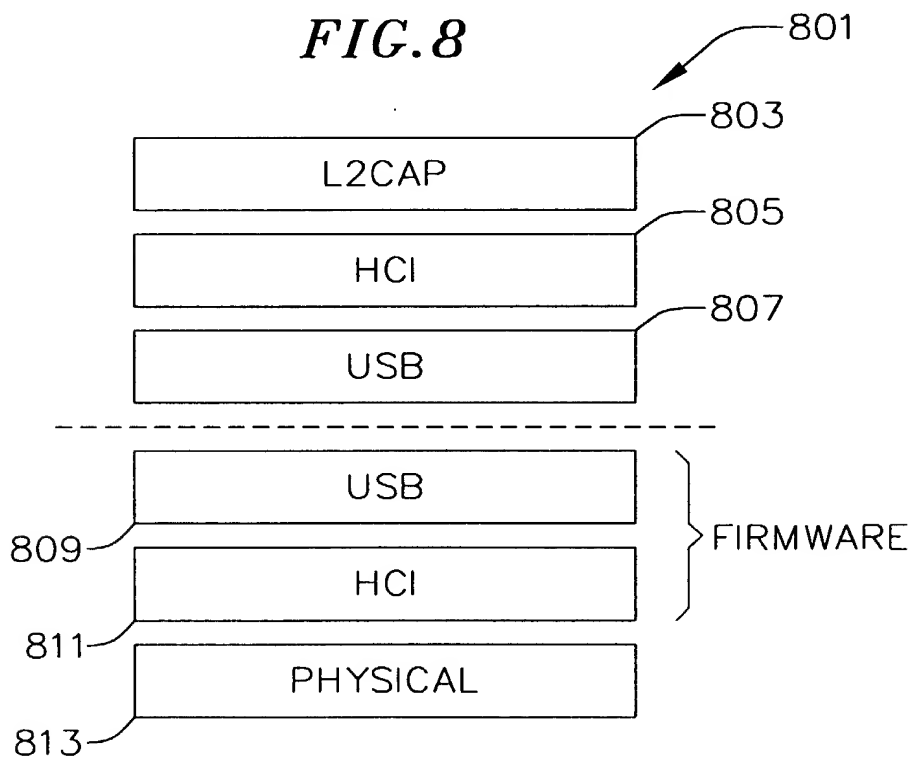


FIG. 9

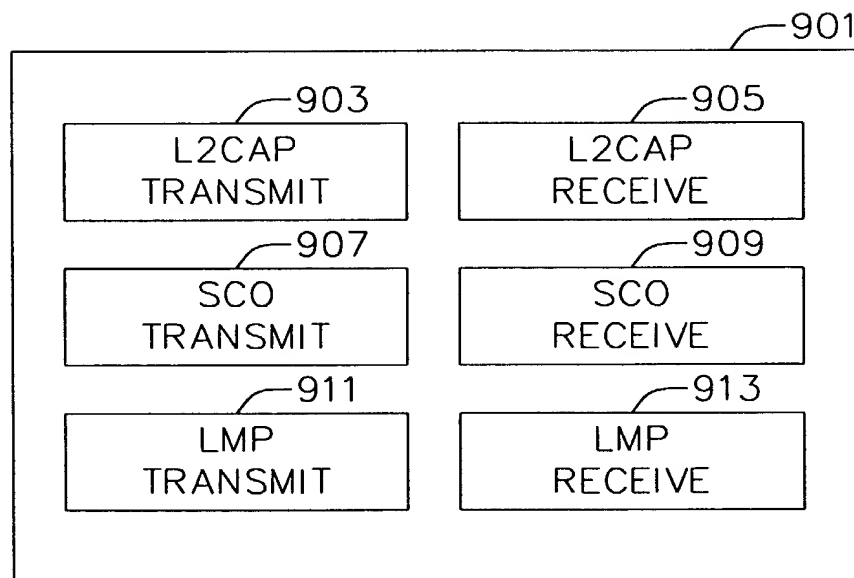


FIG. 10

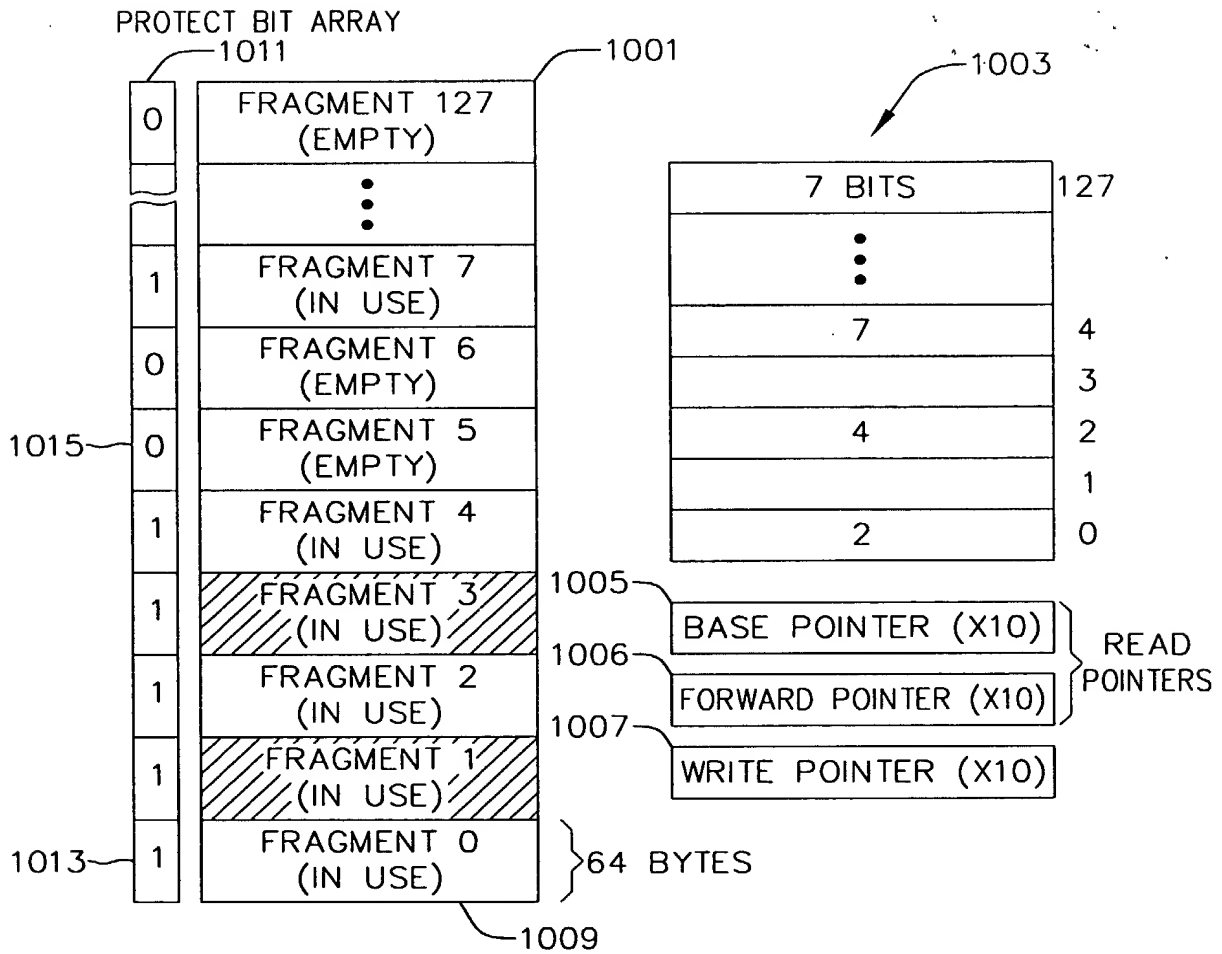


FIG. 11

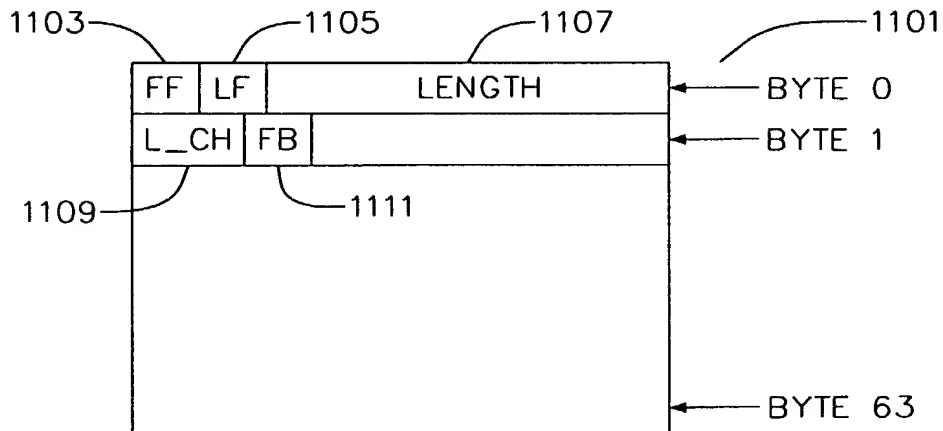


FIG. 12

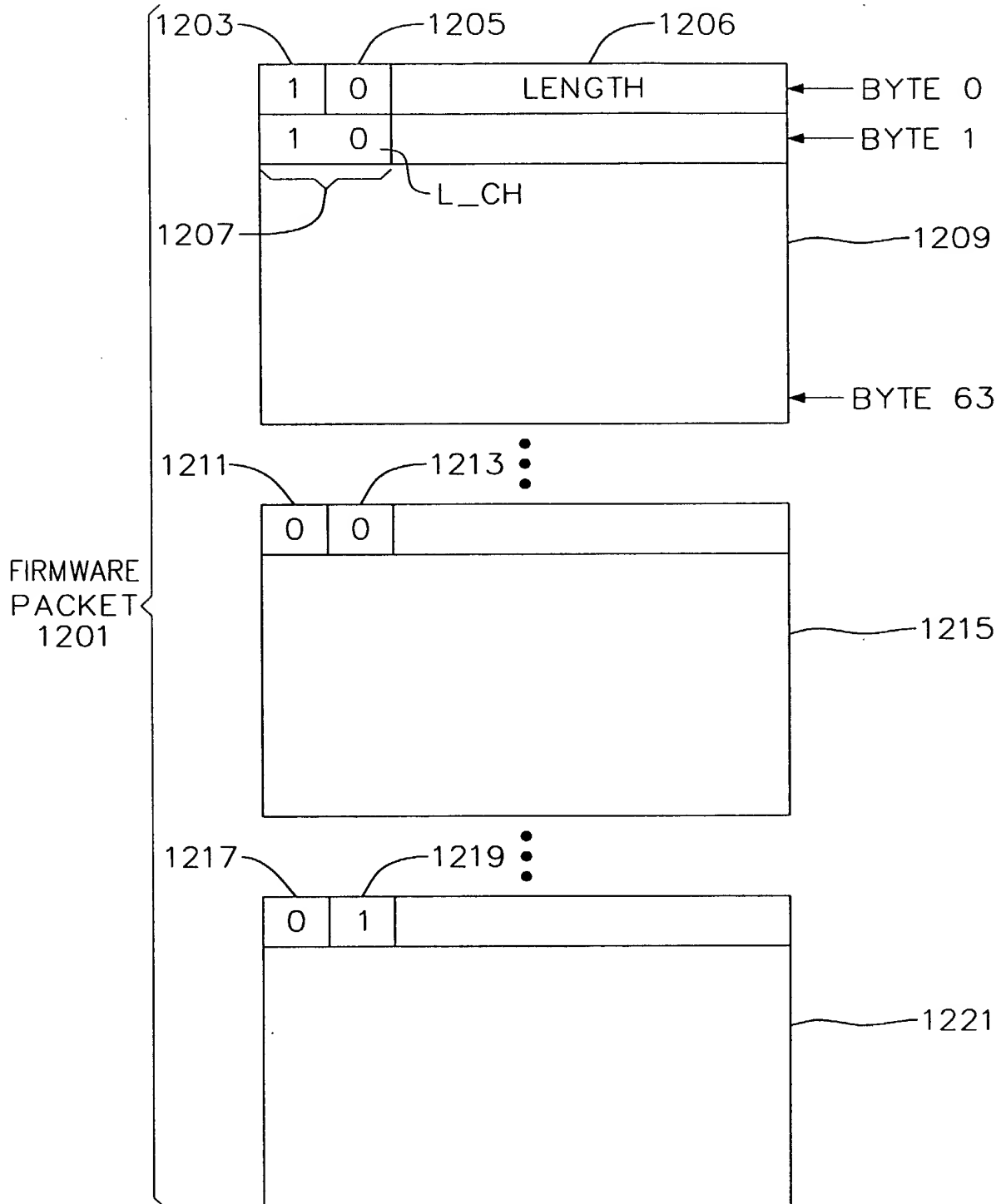


FIG. 13

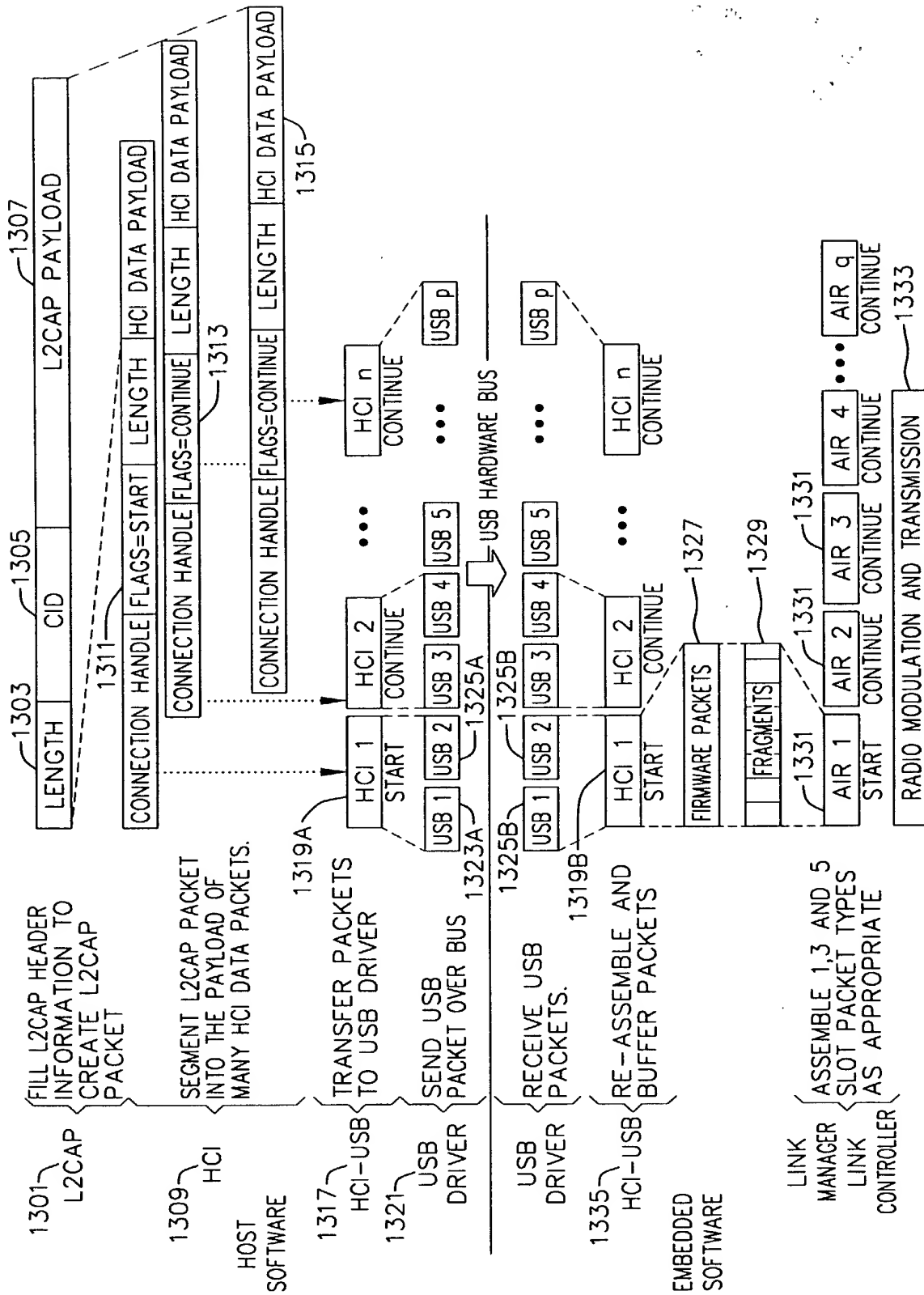


FIG. 14

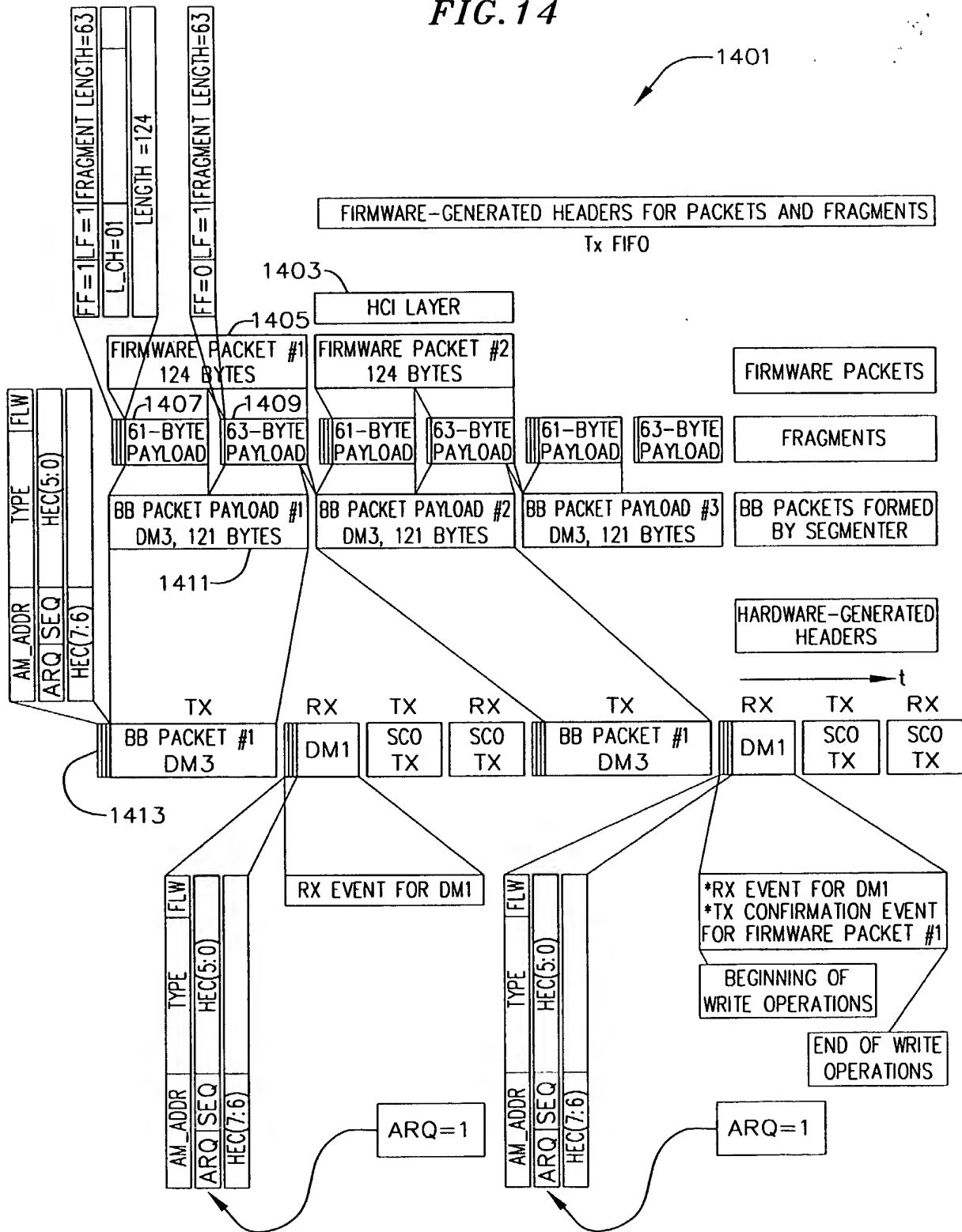


FIG. 15

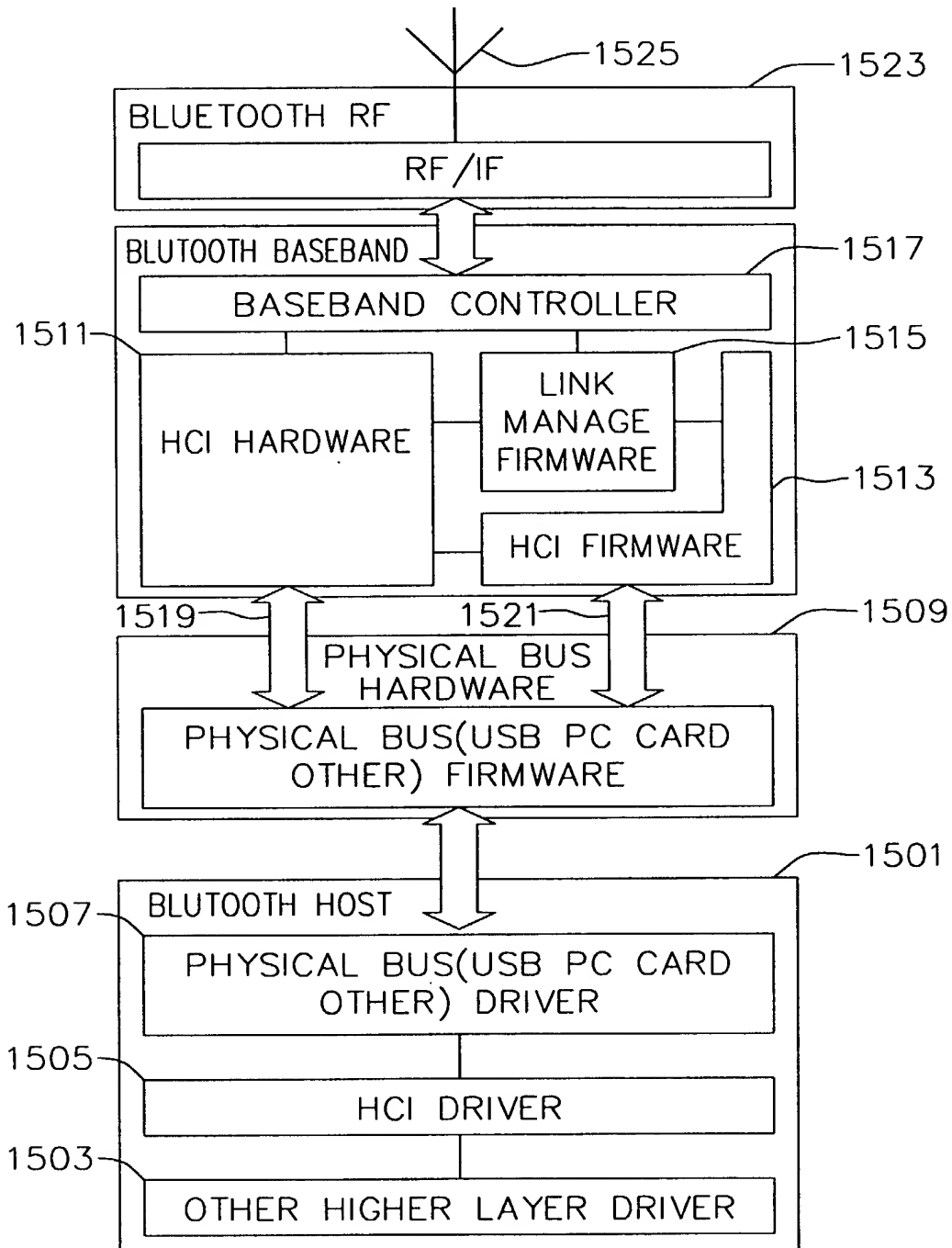


FIG. 16

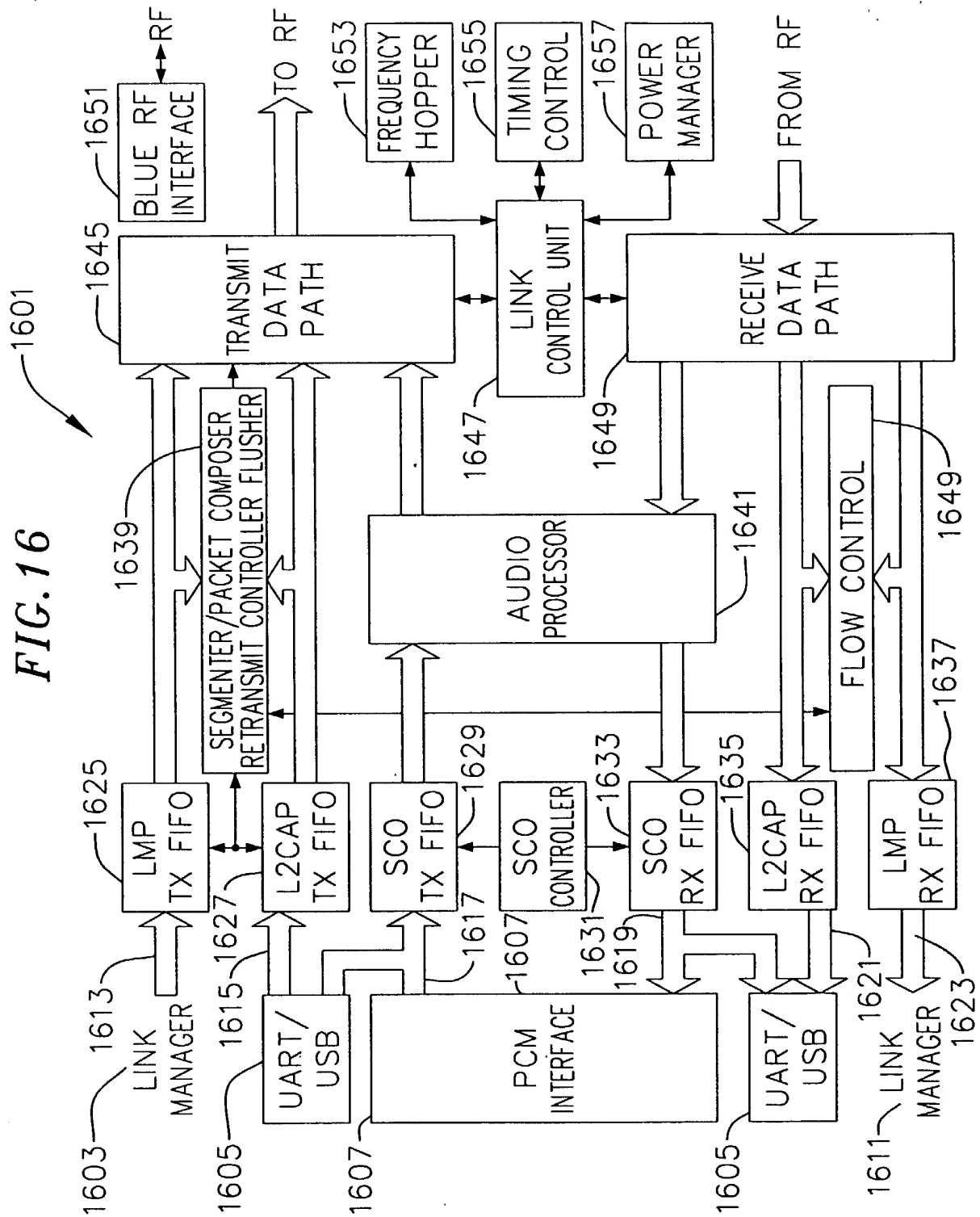


FIG. 17

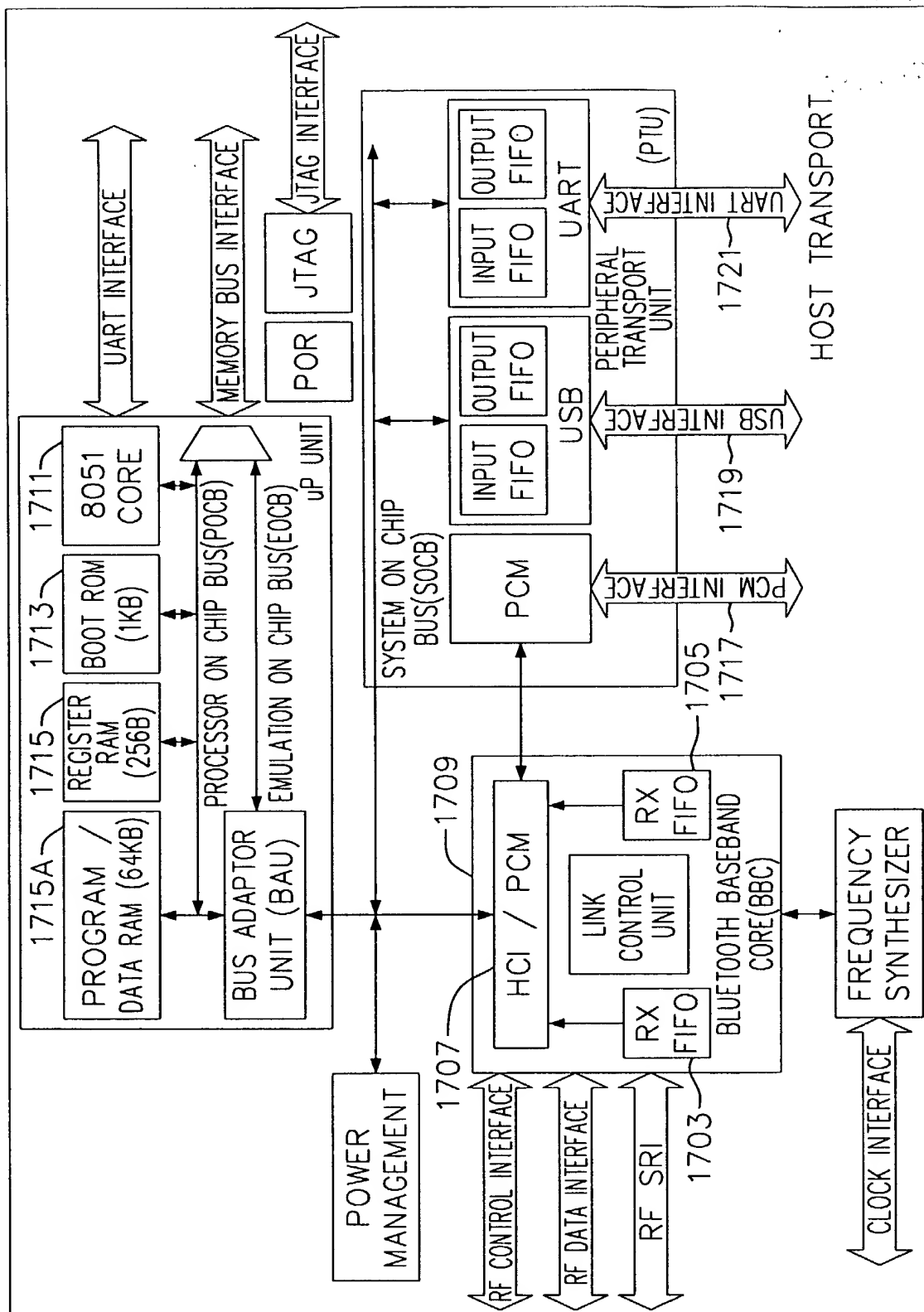
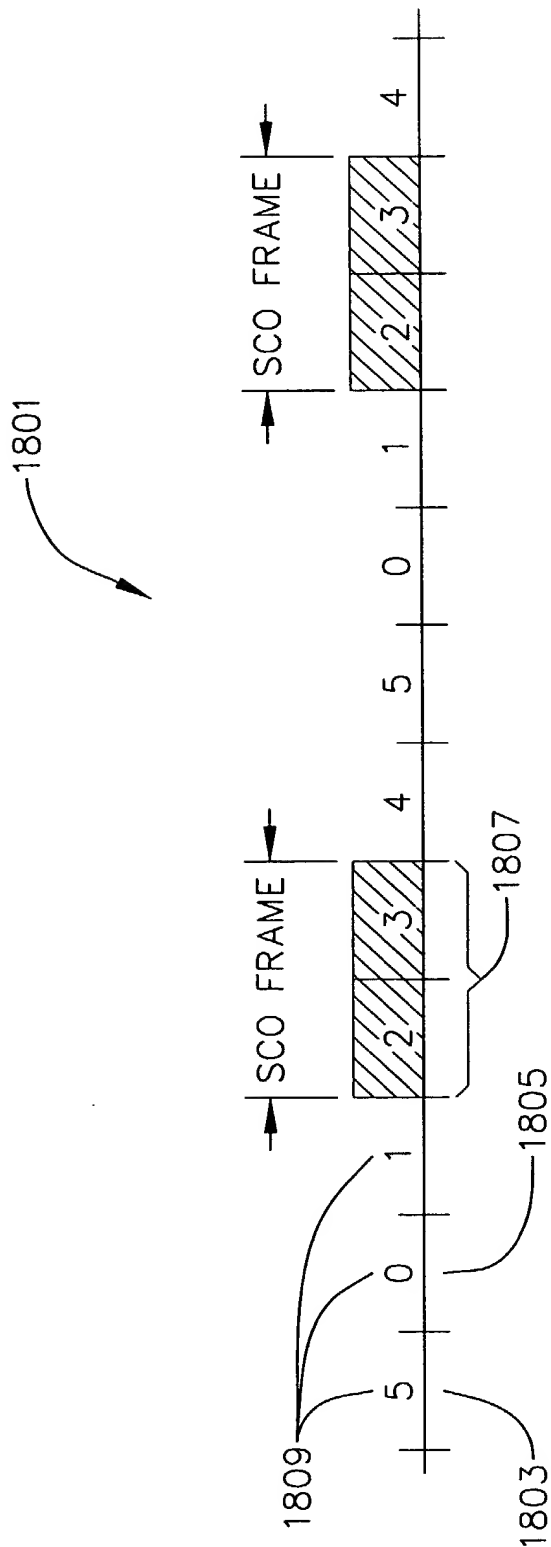


FIG. 18



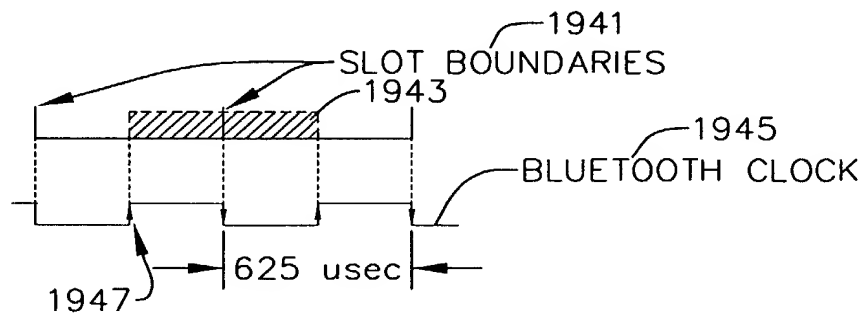
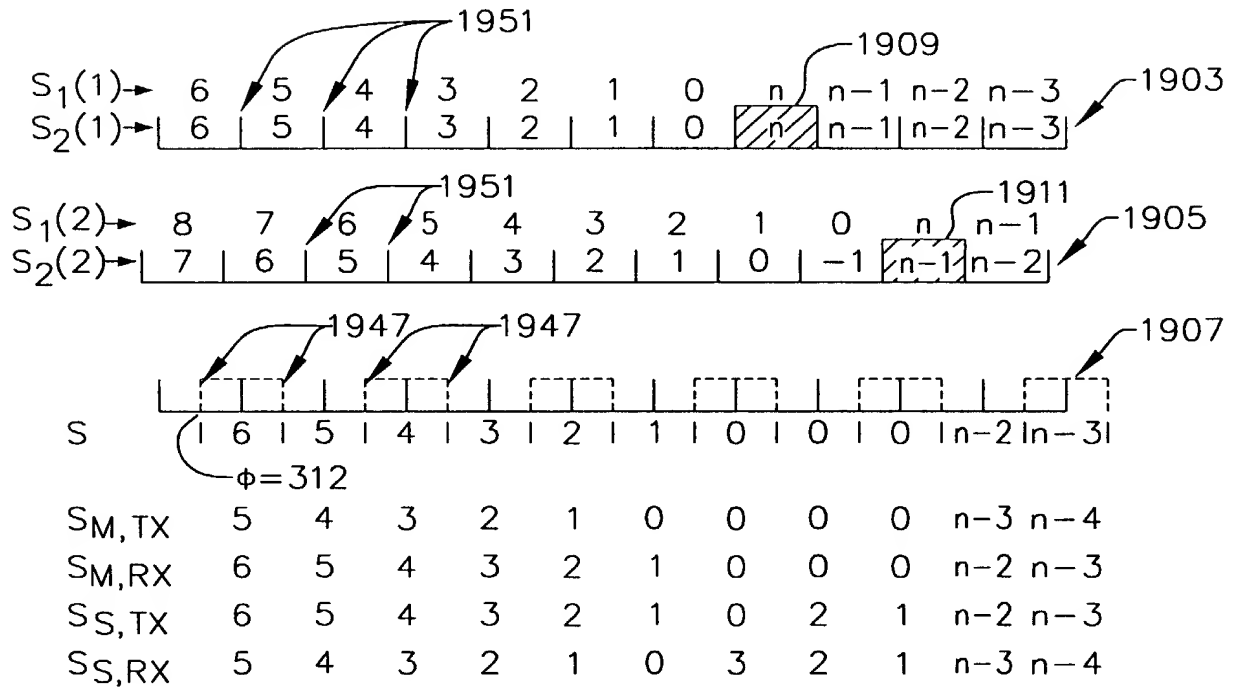


FIG.20

TABLE 1. PACKET TYPE PRIORITY

2001

| RANGE LABEL | MIN BYTES IN BUFFER | MAX BYTES IN BUFFER | 1ST. CHOICE | 2ND. CHOICE | 3RD. CHOICE | 4TH. CHOICE | 5TH. CHOICE | 6TH. CHOICE |
|----------------|---------------------------|---------------------------|----------------|----------------|----------------|----------------|----------------|----------------|
| a | 0 | 0 | NULL | NULL | NULL | NULL | NULL | NULL |
| b | 1 | 17 | DM1 | DH1 | DM3 | DH3 | DM5 | DH5 |
| c | 18 | 27 | DH1 | DM3 | DH3 | DM5 | DH5 | DM1 |
| d | 28 | 121 | DM3 | DH3 | DM5 | DH5 | DH1 | DM1 |
| e | 122 | 183 | DH3 | DM5 | DH5 | DM3 | DH1 | DM1 |
| f | 184 | 224 | DM5 | DH5 | DH3 | DM3 | DH1 | DM1 |
| g | 225 | 339 | DH5 | DM5 | DH3 | DM3 | DH1 | DM1 |
| h | 339 | | DH5 | DM5 | DH3 | DM3 | DH1 | DM1 |

FIG. 21

EXAMPLE OF A FRAGMENT CHOOSER FOR 16 FRAGMENTS, N=4
 (FOR 127 FRAGMENTS N=7)

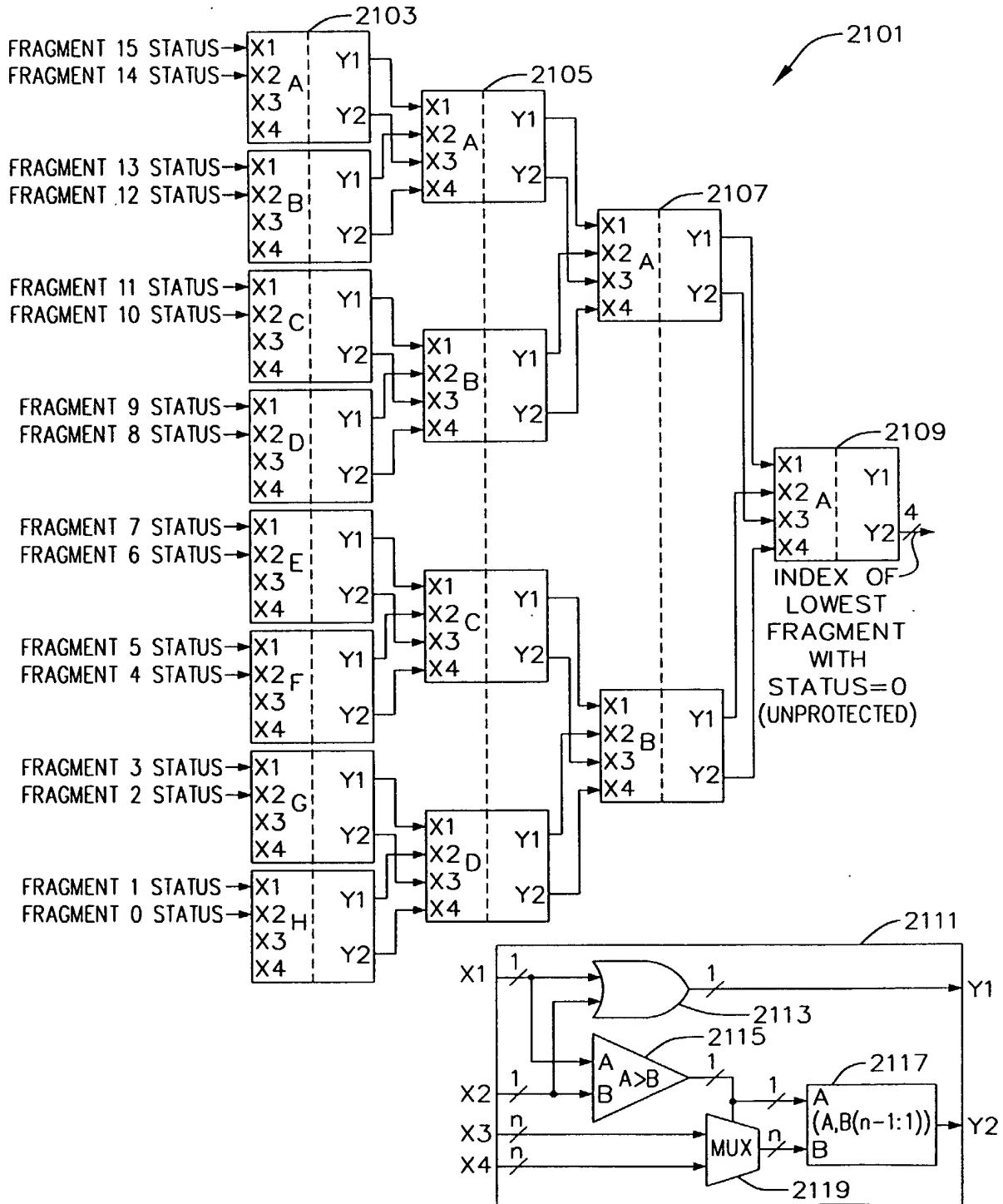


FIG. 22

CIRCUIT TO CALCULATE CLK MOD Y, WHERE CLK IS 27 BITS AND T IS 8 BITS

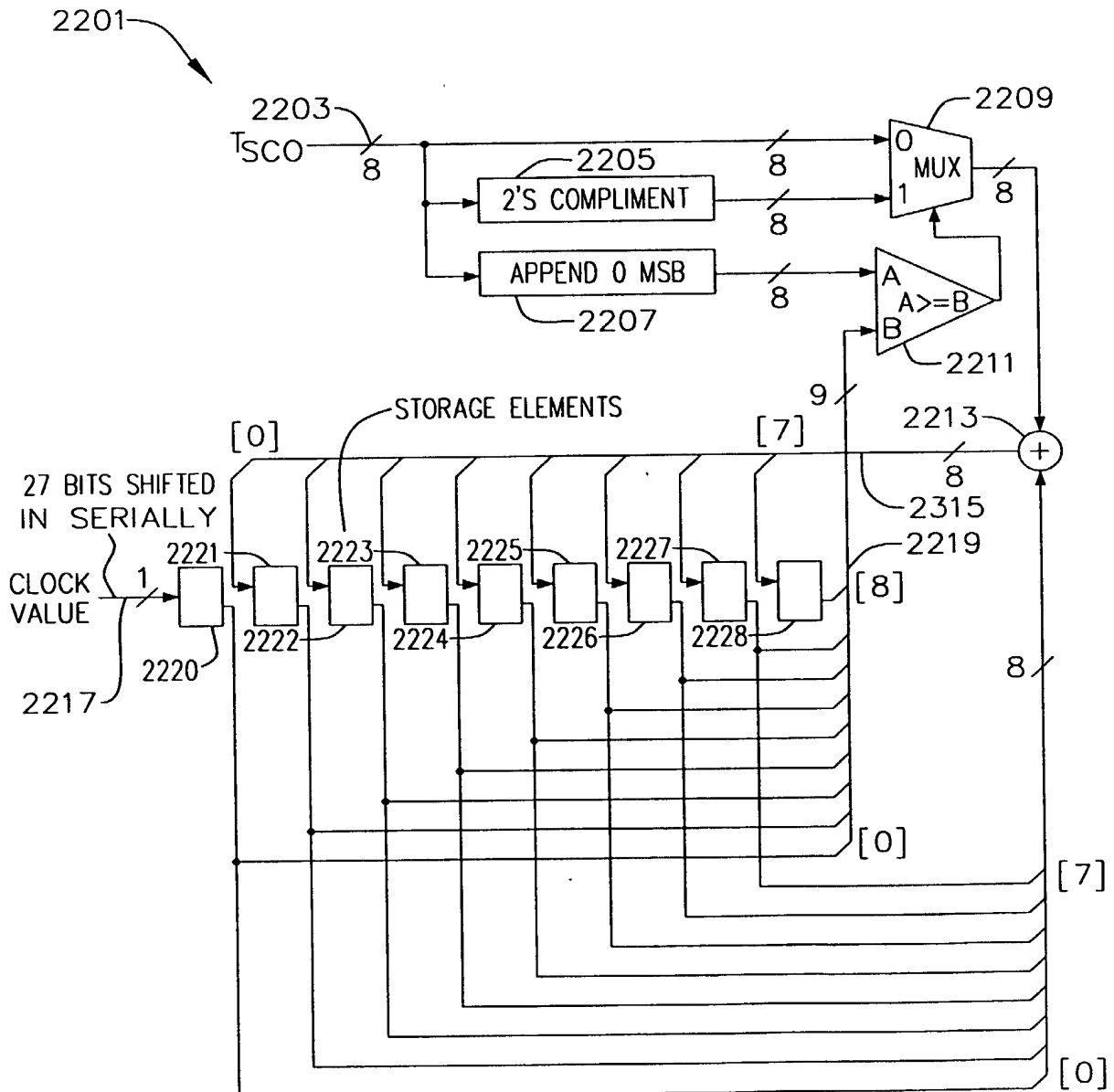


FIG. 23

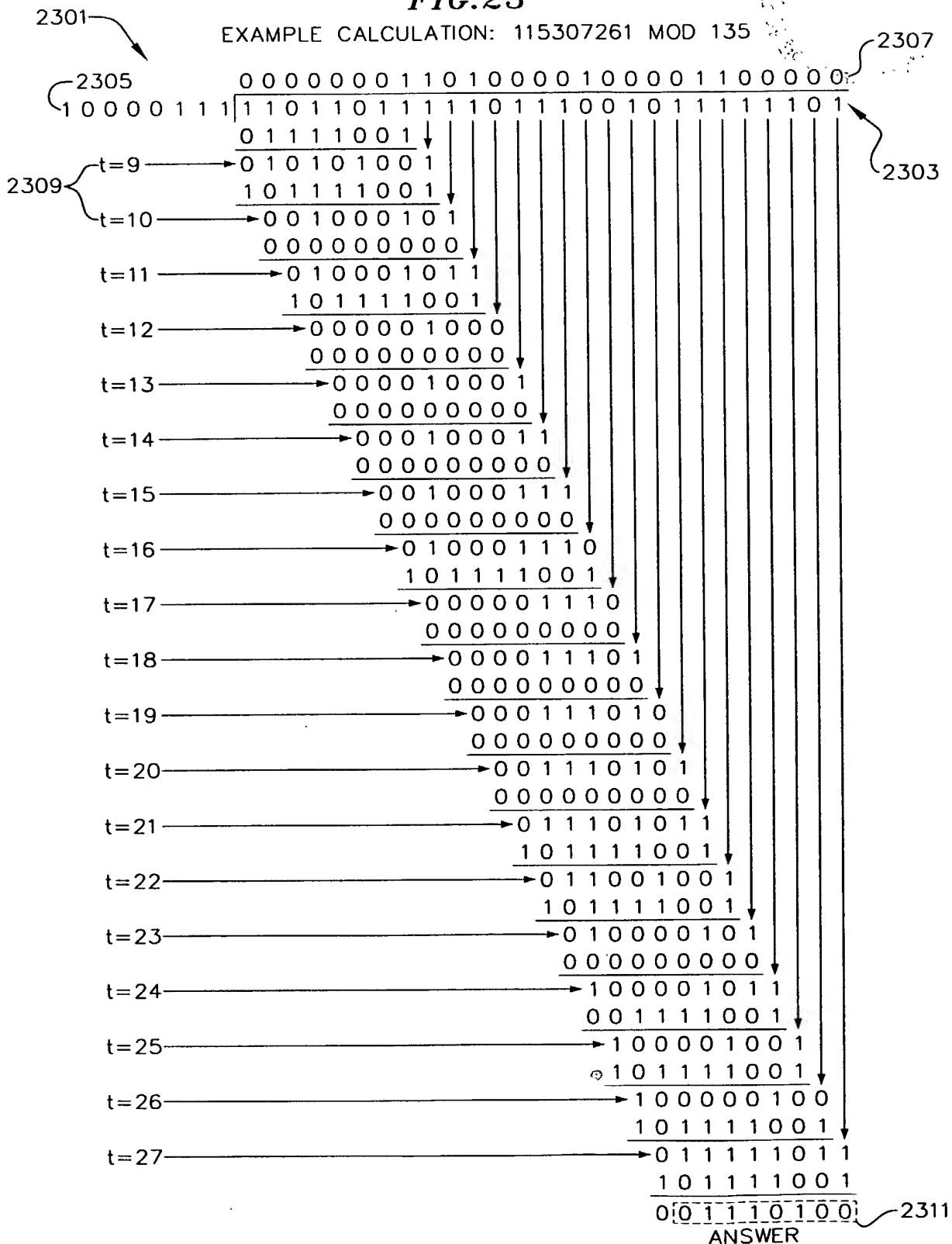


FIG. 24

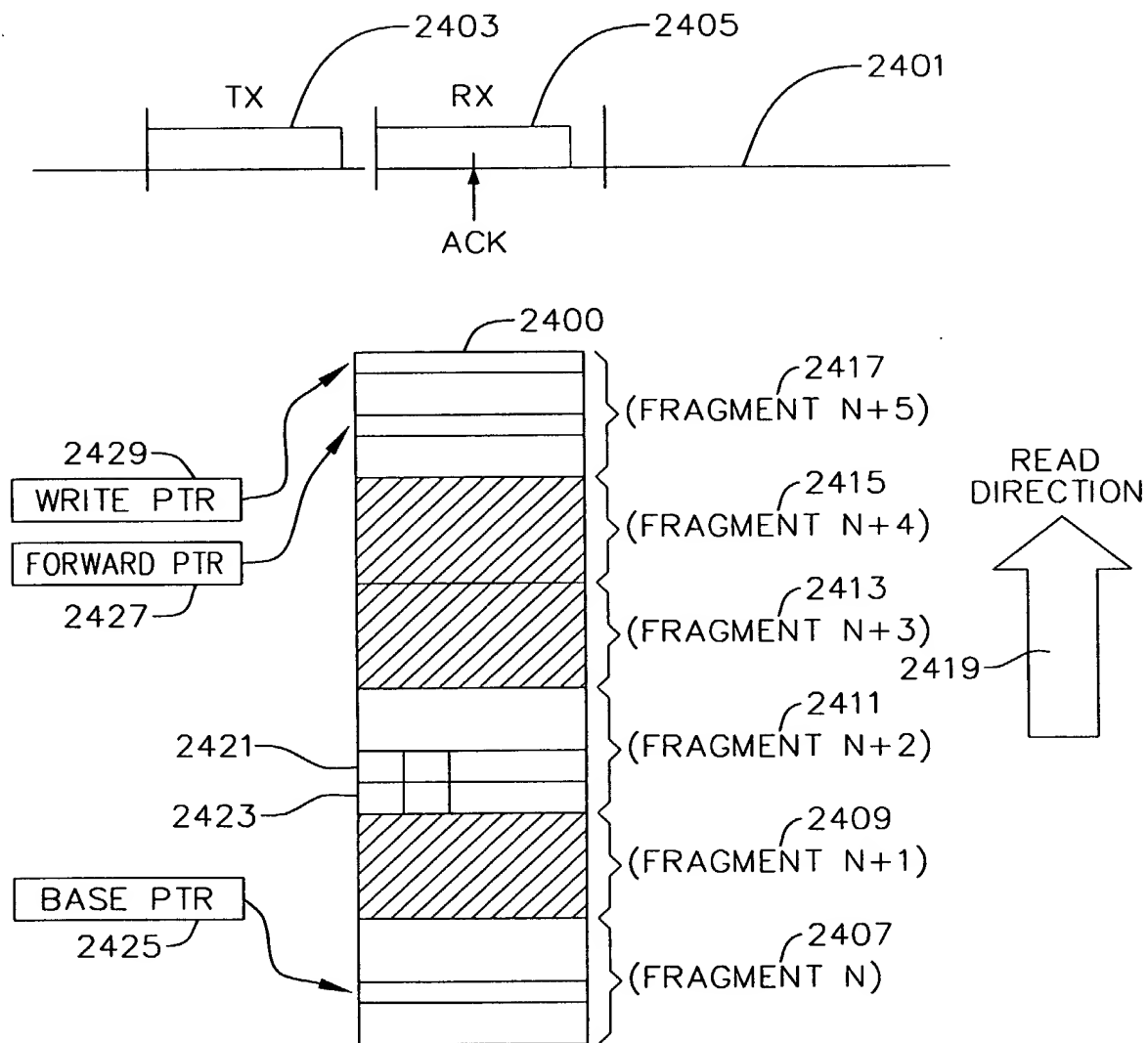


FIG. 25

THE FOLLOWING DIPICTS THE BYTE GAUGE STATE MACHINE IN FLOW
DIAGRAM FORM. NUMBERS IN PARENTHESES INDICATE THE STATE.

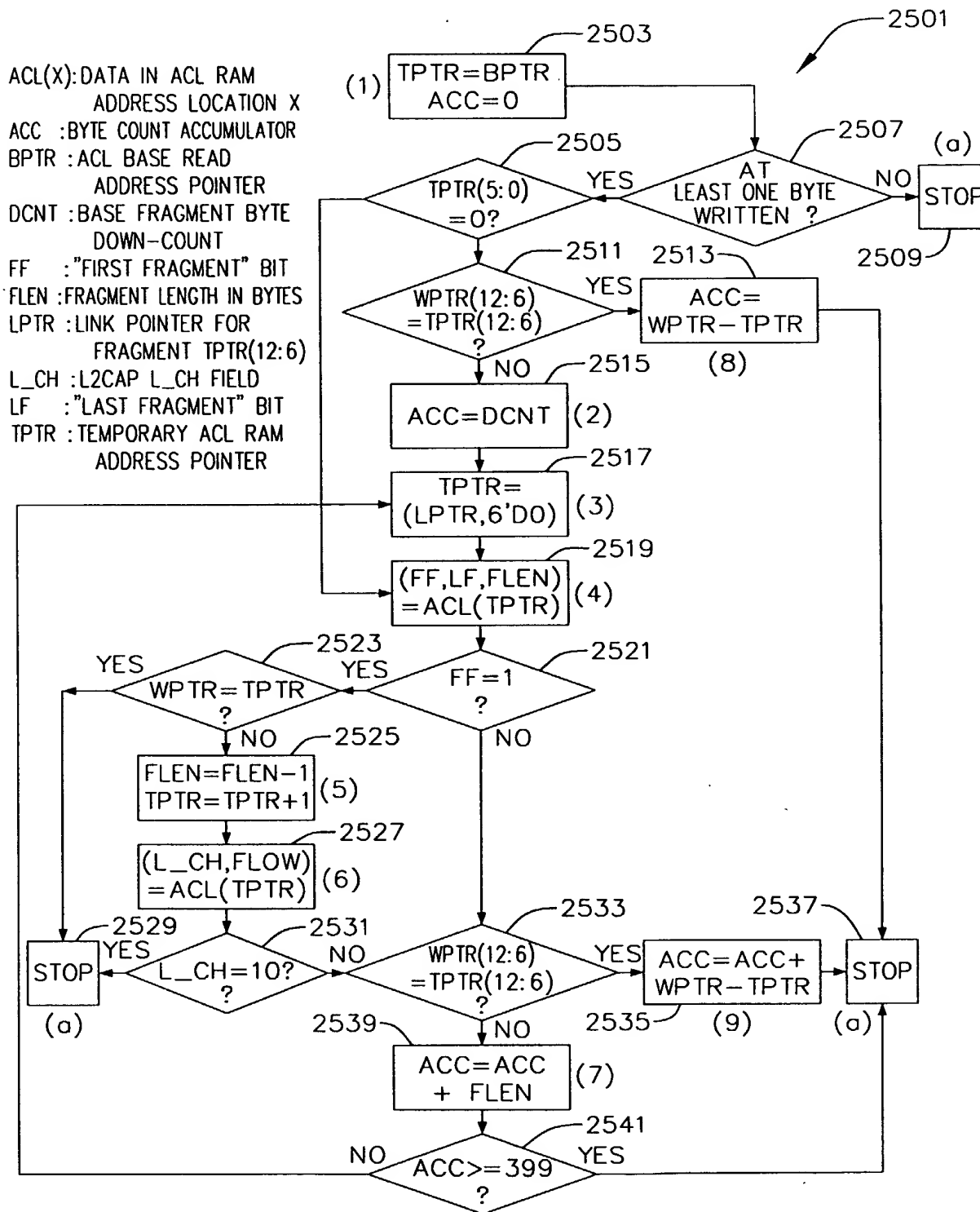


FIG. 26

L2CAP PACKET FLUSH STATE MACHINE

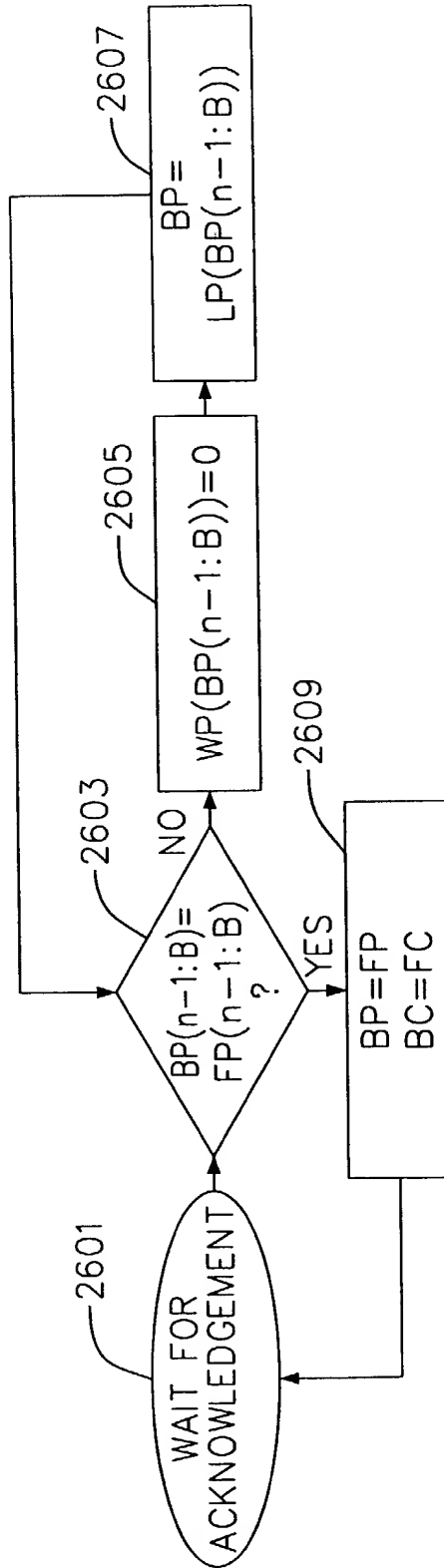
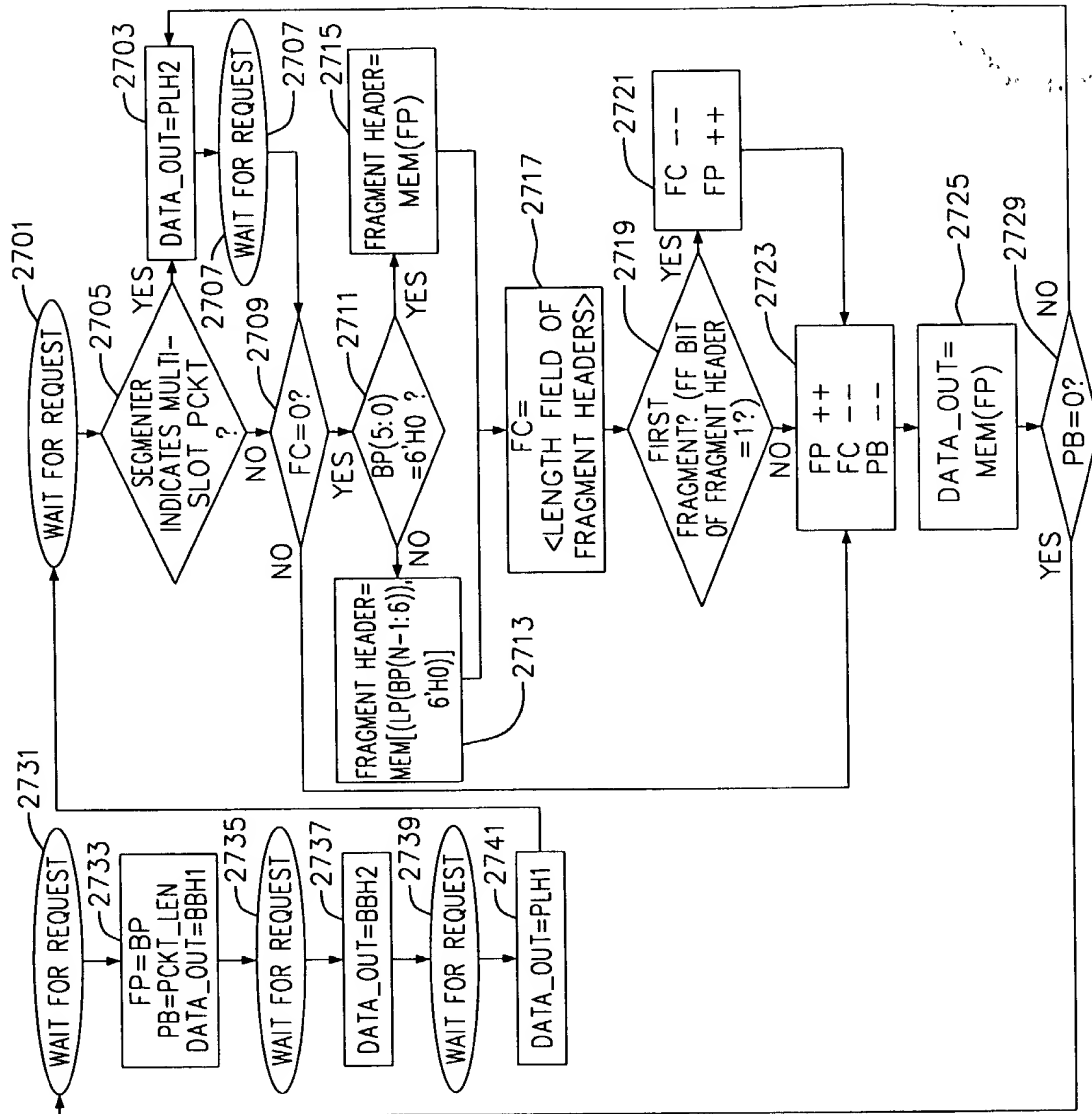


FIG. 27

L2CAP PACKET TRANSMIT STATE MACHINE



KEY:
BBH1: BASEBAND PACKET HEADER,
1ST. BYTE

BBH2: BASEBAND PACKET HEADER,
2ND. BYTE

BC : BASE DOWN-COUNT (COUNTS
DOWN FROM FRAGMENT
LENGTH)

BP : BASE POINTER
FORWARD DOWN-COUNT
(COUNTS DOWN FROM
FRAGMENT LENGTH)

FP : FORWARD POINTER

LP : LINK POINTER ARRAY

MEM : L2CAP MEMORY ARRAY

N : NUMBER OF BITS IN

ADDRESS TO MEMORY ARRAY

PB : PAYLOAD BYTE DOWN-COUNT

(COUNTS DOWN FROM
PACKET LENGTH)

PLH1: PAYLOAD HEADER,
1ST. BYTE

PLH2: PAYLOAD HEADER,
2ND. BYTE

WP : WRITE PROTECTION ARRAY

--ONE BIT PER FRAGMENT

NOTATION:

-- : DECREMENT BY ONE

++ : INCREMENT BY ONE

X(Y) : ELEMENT Y OF ARRAY X

A(B:C) : BITS B THROUGH C OF

N BIT BUS A

(D,E) : CONCATINATION OF D AND E

6'H : 6-BIT HEX VALUE